

REMARKS

Claims 1-3, 6-21, 25, 27-31, 33, 35 and 36 are pending in the present application. By the present amendment, claims 1-3, 6-21, 25, 27-31, 33, and 35 have been amended. Claims 4, 5, 22-24, 26, and 32-35 have been canceled. Claim 36 has been added. Claims 1, 25 and 27 are the only remaining independent claims.

Regarding independent claims 1 and 25, as was discussed in the examiner interview of April 6, 2006, none of the cited references teach or suggest the recited augmented feedback controller transfer function in the context of the system recited.

Regarding independent claim 27, as was discussed in the examiner interview of April 6, 2006, none of the cited references teach or suggest a system for actively treating noise within a fluid carrying duct where an electronic feedback controller operates by applying a feedback controller transfer function of the forms recited in the claim.

Regarding the claim objections noted in the Office Action, applicant submits that the amendments presented above address each of these objections.

Regarding the rejections under 35 U.S.C. §112, second paragraph, applicant respectfully submits that the use of the terms “substantially” and “about” in the claims is appropriate as one of ordinary skill in the art would recognize that these terms are utilized to represent the inherent degree of uncertainty that may be attributed to any quantitative comparison, value, measurement, or other representation. Where the terms do not relate to a quantitative comparison, value, measurement, or other representation, applicant submits that one of ordinary skill would recognize that the terms represent the degree by which a representation may vary from a stated reference without resulting in a change in the basic function of the subject matter at issue.

Regarding the remaining section 112 rejections noted in the Office Action, applicant submits that the amendments presented above address each of these rejections.

Applicants respectfully submit that the present application is in condition for allowance. The Examiner is encouraged to contact the undersigned to resolve efficiently any formal matters or to discuss any aspects of the application or of this response. Otherwise, early notification of allowable subject matter is respectfully solicited.

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Respectfully submitted,

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